



# WireSpan 5000 RM

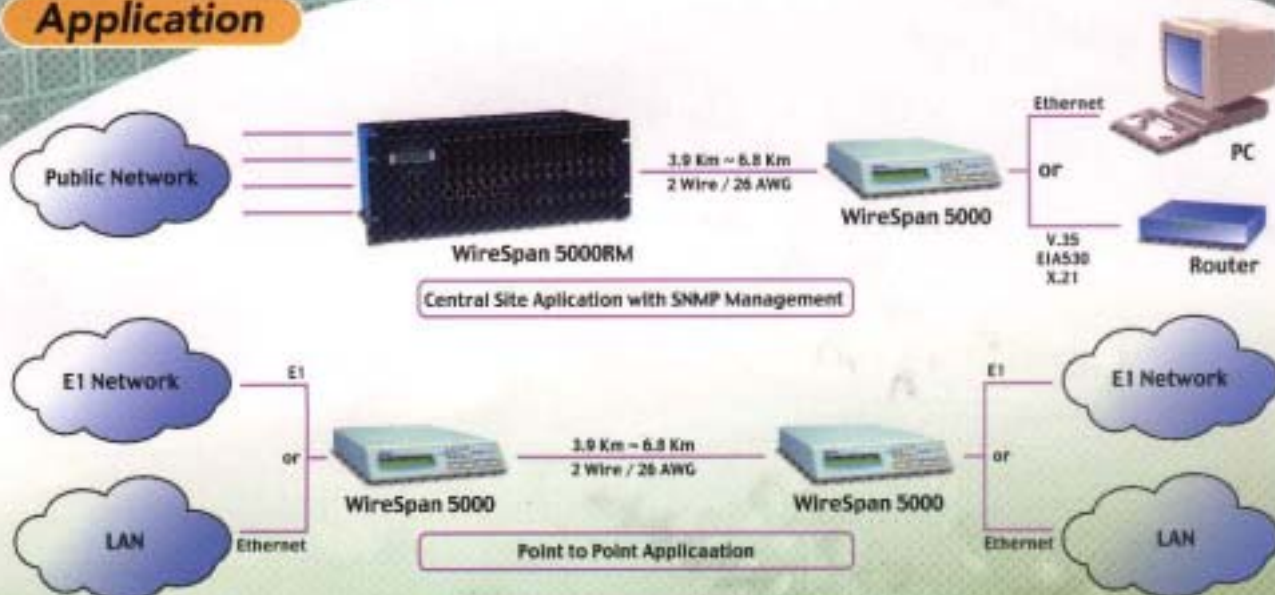
## MDSL Access With Remote Management



### Feature

- Compliance with ITU-T G.991.2 (G.SHDSL)
- Supports auto data rates adaptation between 64K and 2304K (N=1-36)
- V.35, X.21, EIA530, E1 & E1 Fractional interface, Ethernet Interface
- Full function LCD configuration with remote configuration
- Built-in test pattern generator/detector
- SNMP management through Ethernet LAN port
- Software flash upgradeable

### Application



26 AWG ( 0.4 mm )

Data Rate(kbps)	64	128	192	256	384	512	668	1024	1152	1536	2048	2304
Kft	22.5	22.5	22.5	21	19	18	16	15.5	15	14	13	12
Km	6.80	6.80	6.80	6.40	5.76	5.45	4.85	4.70	4.54	4.24	3.94	3.64

## MDSL Access Unit

### Specifications

#### DSL Line

Line Speed:	200 Kbps up to 2312 Kbps
Line Code:	TC-PAM (G.SHDSL)
Line Type:	Unconditional twisted pair (2W)
Line Impedance:	135 Ohms
Transmit Level:	13.5 +/- 0.5 dBm
Range:	25 Kft down to 12 Kft at 26 AWG
Bit Error Rate:	$\leq 1 \times 10^{-7}$
Connector:	Terminal Block

#### DTE Interface (E1 or V.35 or Ethernet)

##### E1 Interface

Line Rate:	2.048 Mbps +/- 32 ppm
Line Code:	HDB3, AMI
Line Impedance:	75 Ohms for coaxial cable or 120 Ohms for twisted pair
Frame Format:	FRAME / FRAME CRC / UNFRAME
Applicable Standards:	ITU-T Rec G.703, G.704, G.706, G.732
Connector:	Terminal Block
Fractional:	N x 64 Kbps (N=1-32)

##### V.35 Interface

Data Rate	N x 64 Kbps (N=1-36)
Impedance	100 Ohms
Connector	Change Cable [DB25(M) to M34(F)]

##### Ethernet Interface

Interface	Auto-sensing 10/100 BASE-T Ethernet
Connector	RJ-45 (to PC or HUB)
Bridging	Dynamically learns and ages up to 1,024 MAC addresses Filtering rates 14,880 pps (10 Mbps)

##### Management

Clock Source	Internal, External, Recovery
Configuration	Console or CM-card control
Alarm	Use LED indicator and alarm
LED Indicator (E1)	L1, L2, TST, SYN, AIS, ALM, PWR
(V.35)	L1, L2, TST, DCD, RTS, CTS, PWR
(Ethernet)	L1, L2, TST, SQ, ACT, LINK, PWR

##### Physical Dimensions

16 ports (16 pieces) per Rack with power module in 19" Rack shelf / 482mm(L) x 8.3" / 210mm(W) x 175mm(H)

##### Power Requirement

Input Voltage	90-260 VAC @ 50/60 Hz , 36-72 VDC (option) Single or Dual power (option)
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##### Environment

Operating Temperature	0°C-50°C
Humidity	0%-95% non-condensing



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